# Phase 1: Management

## Decisions Made:

The team read the assessment brief to gather an idea on what the objective is. They were asked to make a software for a game café to add members, books games for customers and events for members. The team gathered around for the first SCRUM Meeting to discuss how the processes will be carried out. The team then decided to write down the user stories of this project (Add Reference) based on the requirements mentioned in the assessment brief on February 13. The team decided to do this because it was a good way to start the project with the knowledge of what needs to be completed by the end of the development cycle.

In the same SCRUM meeting, the team decided to carry out the next step. Using the user stories, the team then prioritized the tasks with a scale of 1-5 and created the product backlog (Add Reference). The process was done in all estimation, but the team made sure that it was also reasonable. This was created because possessing a knowledge of only the tasks will only apply pressure and stress to the team members. Prioritising them and labelling them with story points (weight of task) will provide a better understanding of each task. It will also help the team to plan better by balancing the workload among team members and place the tasks in a more reasonable timeline.

The next step was to create sprints for the development cycle and place the tasks accordingly, from the product backlog, and assign them to team members (Add Reference). The tasks were assigned randomly to each team member and the estimated dates of completion of the tasks were entered by the respective team members. The sprint planning had to be done because this was the primary aspect of management and planning. The team members were expected to measure their progress with the help of this table and stay on schedule.

The final task of the day was creating a Burndown Chart (Add Reference). So, the team proceeded to carry out the necessary process. This was created because having the sprint plan created, the team needed to have a visual representation of their progress, so they can have a clear understanding of how many tasks are left and how much time is left for them to complete them before the final deadline.

With all these creations, the management phase had been concluded and it was time to start completing the tasks one after the other.

## Personal Evaluation:

When I read the assessment brief for the first time, I thought it was a task of moderate difficulty. We all had the heavy workload of our dissertation upon our shoulders and wondered if it’s even possible to spare time to accomplish these tasks. We still tried to spare as much as time as possible, so that we wouldn’t struggle in the last moment. I, personally, thought that the management phase had begun very well. We all had the necessary items we needed to carry out the planned tasks and having these items made me confident in accomplishing them.

# Phase 2: Design

## Decisions Made:

The design phase had begun with each team member having tasks to complete.

The first design material that the team decided to create was the Use Case Diagram and was completed on March 15 (Add Reference). The team decided to create this because they thought it would serve a great purpose in understanding the flow of processes that will be carried out in the software and the interaction between the user and the software. They also thought it will help them greatly during the implementation phase.

The team was happy with the use case diagram, but they needed more info on each step that was carried out, so they can understand the concepts in more depth. This was when the team had decided to create the expanded use case as well (Add Reference). The textual description in these documents was a lot to read but provided a much deeper knowledge and helped the team greatly. This task was completed on March 30.

To support these diagrams, the team wanted to create the Robustness diagram and the Structure chart as well. These were created because the team wanted to gain extra knowledge about the functions that each step was going to do in the software, so that they can produce a more efficient product. These tasks were completed around the mid of February.

The next task in the design phase was the interface design. This was very essential as the team had to gain an idea of how the software is going to look in the final product so that they can implement it easily during the implementation phase. This task was completed on February 13.

## Personal Evaluation:

This phase progressed very well as all team members contributed and did their very best on their tasks and made sure they were on time. I found the tasks to be of moderate difficulty as the software itself was not very complex. I was more confident than I was in the management phase and realised that the implementation phase should be easy for the whole team.

I was responsible for creating the use case diagram, expanded use cases and the robustness diagram. One of the few challenges I had encountered during these tasks is trying to keep the diagrams as concise as possible. Almost every function in the software are quick and short and must be completed within minutes. So, I had to make sure that I don’t extend unnecessarily and create extra work for the team to implement during the implementation phase. However, my team helped me secure a proper diagram which was clear, simple, and easy to grasp.

Other minor challenges were colour coding the diagrams so, each section stands out from each other and will be easier for any person to read.